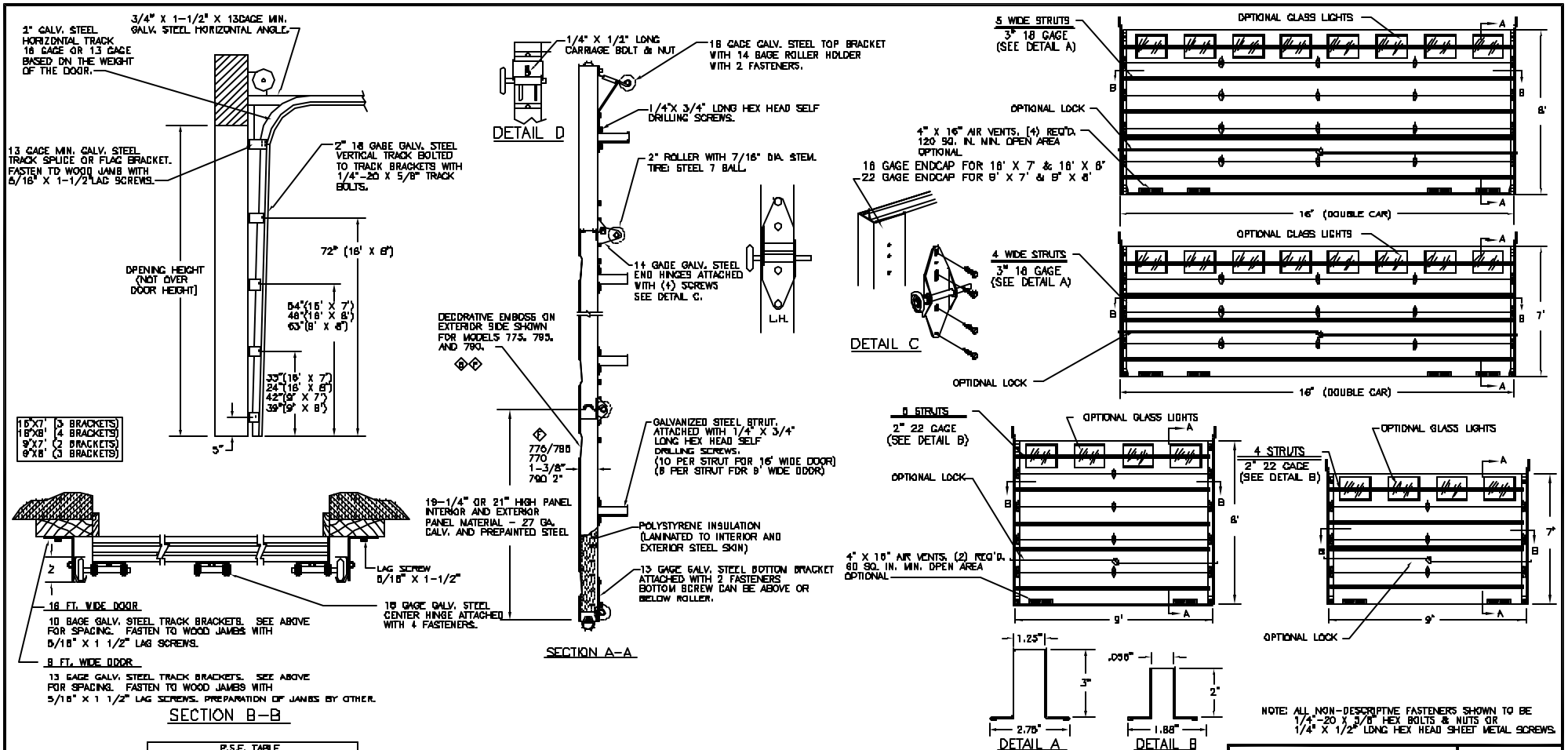


NOTE: ALL NON-DESCRIPTIVE FASTENERS SHOWN TO BE 1/4"-20 X 3/8" HEX BOLTS & NUTS OR 1/4" X 1/2" LONG HEX HEAD SHEET METAL SCREWS.

DOOR SIZE		P.S.F. TABLE			
		DESIGN PRESSURE		TEST PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
8'-0"	7'-0"	+21.8	-25.0	+32.7	-37.5
8'-0"	7'-0"	+19.7	-22.2	+29.5	-33.3
9'-0"	8'-0"	+19.7	-22.2	+29.6	-33.3
16'-0"	8'-0"	+18.7	-20.8	+28.1	-31.2
16'-0"	7'-0"	+18.7	-20.8	+28.1	-31.2

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. IBC ASSUMPTIONS: 110 MPH, 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 110 MPH, EXPOSURE "B", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE.

AN ARCHITECT OR STRUCTURAL ENGINEER MUST DETERMINE IF THE DOOR IS SUITABLE FOR OTHER LOCATIONS.
DOORS SMALLER THAN THOSE SHOWN WILL WITHSTAND THE INCREASED PRESSURE LOADS, GIVEN THE SAME CONDITIONS. THE INCREASE IN DOOR STRENGTH IS GREATER THAN THE INCREASE IN PRESSURE AS THE DOOR SIZE IS MADE NARROWER OR SHORTER.

John E Scates PE
Florida Reg. #51737
1411 LeWay #205
Carrollton, TX 75007
(972)458-0550

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

REV.	E.C.N.	DATE:	APPROV.
F	2745	11/2/05	RLB
E	2684	10/20/04	RLB
D	2613	11/17/03	KDD
C	2573	8/29/03	KDD
B	2422	3/5/02	KDD
A	2413	1/28/02	KDD
—	1590	7/3/96	GDR

WINDSOR REPUBLIC DOORS
P.O. BOX 8915
LITTLE ROCK, AR
72219-8915
(501) 562-1872

MODELS: 775, 795, 770, 790, 780

DWG. WAS: ---

TOLERANCE: FRAC. ± 1/64" DEC. ± .015 ANG. ± 1°

PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 110 MPH, FBC 110 MPH EXPOSURE "B"

NEXT LEVEL

DATE: 7/3/96

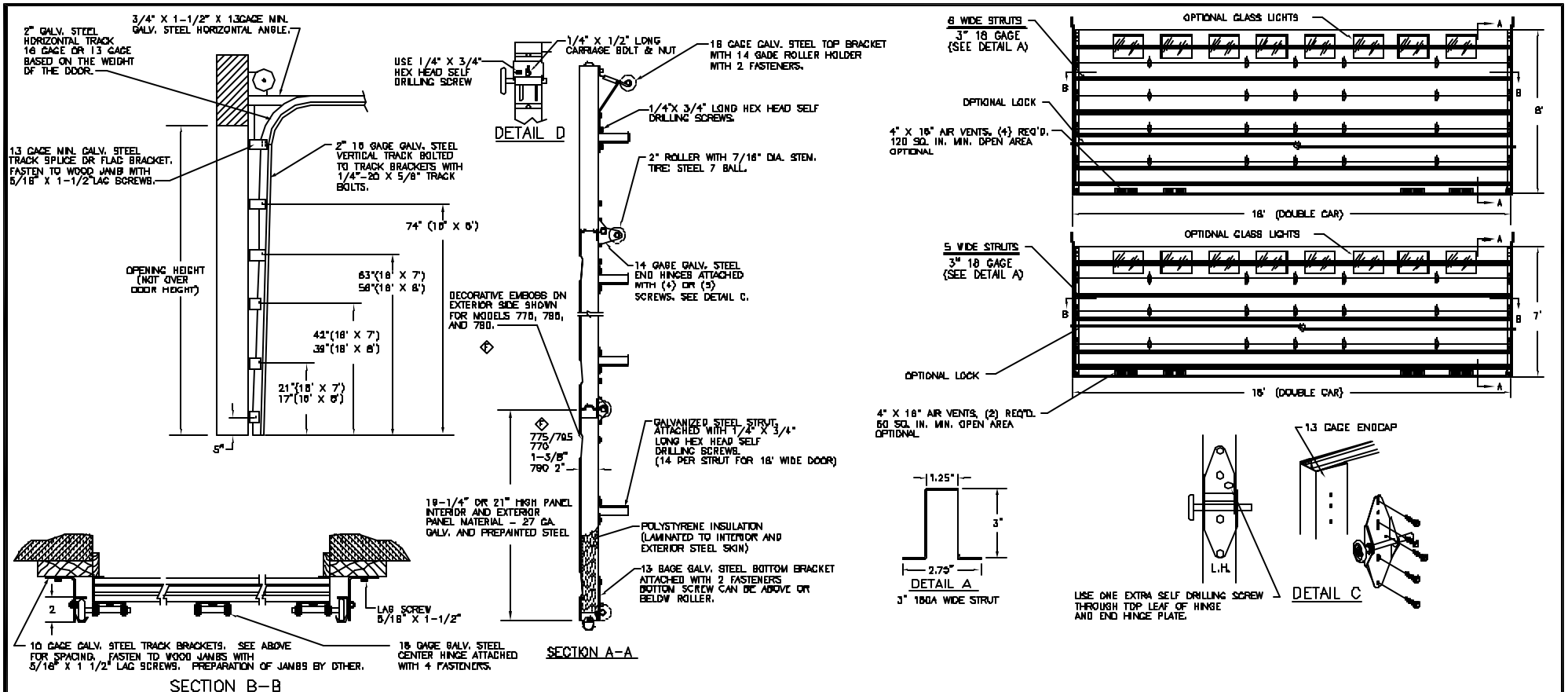
DWG. NO. 99-B-036

SCALE: NONE

PLOT SCALE: 1=1

DRN. BY: BV

SHT 1 OF 2



	P.S.F. TABLE			
DOOR SIZE	DESIGN PRESSURE		TEST PRESSURE	
WIDTH HEIGHT	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
16'-0" 7'-0"	+18.7	-20.8	+28.0	-31.2
16'-0" 8'-0"	+18.7	-20.8	+28.0	-31.2

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE. IBC ASSUMPTIONS: 110 MPH, 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE. FBC ASSUMPTIONS: 110 MPH, EXPOSURE "B", 30' ROOF HEIGHT, ROOF PITCH > 10°, 2' OF DOOR IN END ZONE.

AN ARCHITECT OR STRUCTURAL ENGINEER MUST DETERMINE IF THE DOOR IS SUITABLE FOR OTHER LOCATIONS.
DOORS SMALLER THAN THOSE SHOWN WILL WITHSTAND THE INCREASED PRESSURE LOADS, GIVEN THE SAME CONDITIONS. THE INCREASE IN DOOR STRENGTH IS GREATER THAN THE INCREASE IN PRESSURE AS THE DOOR SIZE IS MADE NARROWER OR SHORTER.

John E Scates PE
Florida Reg #51737
1411 LeWay #206
Carrollton, TX 75007
(972)466-0530

NOTE: GLAZING DOES NOT SATISFY IMPACT DEBRIS REQUIREMENTS IN FBC

NOTE: ALL NON-DESCRIPTIVE FASTENERS SHOWN TO BE 1/4"-20 X 5/8" HEX BOLTS & NUTS OR 1/4" X 1/2" LONG HEX HEAD SHEET METAL SCREWS.

REV.	E.C.N.	DATE:	APPROV.
F	2745	11/2/05	RLB
E	2884	10/20/04	RLB
D	2613	11/17/03	KDD
C	2573	8/29/03	KDD
B	2422	3/6/02	KDD
A	2413	1/25/02	KDD
–	1590	7/3/96	CDR

WINDSOR REPUBLIC DOORS
P.O. BOX 8915
LITTLE ROCK, AR
72219-8915
(501) 562-1872

MODELS: 775, 795, 770, 790, 780

DWG. WAS: ---

PART NAME: WINDLOAD RESIDENTIAL STEEL DOOR FOR IBC 110 MPH, FBC 110 MPH EXPOSURE "B"

TOLERANCE: FRAC. ± 1/64" DEC. ± .015 ANG. ± 1°

NEXT LEVEL

DATE: 7/3/96

DWG. NO. 99-B-036

SCALE: NONE

PLOT SCALE: 1=1

DRN. BY: BV

SHT 2 OF 2